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News Summary

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Physicists now believe the material universe is composed of three fundamental types of matter: Page A4.

Room-temperature fusion has received a reprieve from a panel of scientists who say new experiments warrant further research: Page A4.

Boston U.'s president, in a new book, offers solutions to the country's problems: Page A13.

Educating teachers on California State U. campuses is everyone's job, administrators there say: Page A13.

Federal aid programs for colleges face a two-year review as Congress prepares to reauthorize the Higher Education Act of 1965: Page A19.

The use of animals in biomedical research is attracting more attention in Congress: Page A19.

Historically black colleges have won millions of dollars from corporations and foundations, but wooing their own alumni has proved more difficult: Page A31.

A national prepaid-tuition program has been started by a company representing 14 colleges: Page A34.

The men's basketball program at Tulane U. was formally reinstated with a midnight scrimmage and pledges to avoid scandals: Page A35.

For students in China, foreboding has replaced the optimism of last spring's demonstrations: Page A39.

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Vietnam Seeks to End Its Academic Isolation From Western World

By JONATHAN M. MOSES

HO CHI MINH CITY, VIETNAM

Vietnam is eager to renew academic ties with the West.

Cut off from the United States since 1975, when Americans evacuated this city—then known as Saigon—in the face of advancing North Vietnamese troops, educators here say they are now looking to develop Western contacts as part of a year-old campaign to jump-start their country's moribund economy.

"We will go anywhere—France, the U.S., Japan"—to make those connections, said Tran Tung Hau, chairman of the economics department at Ho Chi Minh City University, in a recent interview.

Scholars here noted that a lack of funds made such contacts impossible without foreign sponsorship. Efforts to create academic links outside the Socialist bloc also are being hampered by a rigid academic structure in Vietnam.

Nevertheless, university officials here say they are hopeful about enlarging Vietnam's human-resource pool through education, thus laying the groundwork for the economy to "take off," as it has in other Southeast Asian nations.

New Interest in Studying English

Perhaps the most significant aspect of Vietnam's new interest in academic reforms is a great increase in the number of students who are studying English. No firm statistics on the trend are available, but interest in English seems to be pervasive despite a strong Soviet presence.

"English is the hot subject," said Ngo Phuong Thien, vice-chairman of the English department at Ho Chi Minh City University, who studied English in Australia.

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Political Paralysis Over Abortion Leads U.S. to Evade Key Issues in Biomedical Ethics, Scientists Charge

By DAVID L. WHEELER

WASHINGTON

The federal government is sidestepping a wide range of pressing questions about biomedical ethics because of political paralysis over abortion, many scientists and ethicists say.

The paralysis, in both Congress and the Bush Administration, particularly hurts scientists seeking federal guidance and financial support for research in two areas—transplanting fetal tissue and helping infertile couples conceive.

Campus officials who must supervise biomedical research say the government's inability to come to grips with such research leaves the nation without credible leadership on a host of troubling issues.

"We have been going for many years without a standing group to provide national oversight or guidance where substantial

State Governments to Spend \$39.3-Billion on Colleges and Universities in 1989-90

Farm-belt campuses fare well; Northeast prepares for austerity

By SCOTT JASCHIK

State governments will spend \$39.3-billion on higher education this year, an increase of 14.3 per cent over what they spent two years ago.

In general, farm-belt states are providing generous increases for higher education this year, while states in the Northeast are

more frugal than they were two years ago, according to a study compiled by the Center for Higher Education at Illinois State University. In the study, state appropriations are compared with figures from two years earlier, rather than with those from the previous year, to limit the influence of short-term fluctuations.

The overall increase is nearly two percentage points above the two-year rise last year.

The data are known widely as "the Chambers numbers," after M. M. Chambers, who died in 1985. Mr. Chambers, a professor at Illinois State, started collecting the information in 1958. Since then, the annual study has become the authoritative compendium of state support for colleges and universities.

Economies Rebound in Oil States

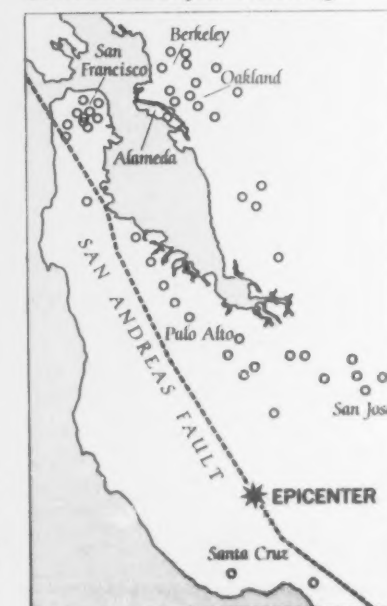
Despite the healthy outlook for higher education in the state budgets, some colleges and universities will get much more than others.

Many of the states that rely on agriculture or the oil industry, which suffered severe declines in the mid-1980's, are now enjoying economic rebounds. And colleges in those states will benefit this year.

Compared with two years ago, state support for higher education is up 27 per cent in Nebraska, 26 per cent in Illinois, 23 per cent in Kansas, 21 per cent in North Dakota, and 18 per cent in Texas. In Illinois and

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California Colleges Are Spared Serious Earthquake Damage



Most San Francisco Bay area colleges, shown on map above, closed after last week's devastating earthquake, but few suffered serious damage: Page A3.

or novel ethical issues are present," says Robert J. Levine, president-elect of the American Society of Law and Medicine and head of a Yale University committee that reviews research proposals. "We are taking our chances with judgments made at a local level."

Three developments have been particularly troubling to some scientists and ethicists:

- The Congressional Biomedical Ethics Advisory Committee has stopped work after members of Congress, in a deadlock caused by conflicts over abortion, failed to agree on who should serve as chairman of the Congressional panel that was to oversee the committee's work. The advisory committee and its staff were to have provided advice to Congress on such questions as what federal guidelines should be

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MARGINALIA

"When a kitchen fire interrupted supper one evening at Drury College," a reader writes, "the heavy smoke damage made many students wonder what breakfast would bring."

"Come sunrise, the menu board listed 'Cajun-style breakfast—black peppered eggs, smoked sausage, grilled biscuits, and toast, raw or burnt.' Cold cereal was the breakfast of choice that day."

Headline in the University of Connecticut *Daily Campus*:

NEARLY HALF OF STUDENTS
EAT FIRST WEEKEND MEALS

"Mom's probably been starving them to pay for college," a reader suggests.

Music note in the Greenville (S.C.) *News*:

"Gayle Chesebro, French horn, faulty recital, 8 p.m., Turner Auditorium, North Greenville College."

"We've all had nights like that."

From the Hollins College *Faculty & Staff Newsletter*:

"We received word . . . that our proposed restructured teacher preparation plan has been fully approved by the Virginia Department of Education."

"If only it had been structured properly in the first place," a reader comments.

This-is-getting-serious note:

"I save Marginalia items," writes a reader at the University of Tennessee at Chattanooga, "and classify them on index cards according to type of error (misplaced modifier, subject-verb agreement, etc.). When I am teaching that particular topic in class, I hand each student an index card with a real-life example of that error and have them solve the error and put the corrected version on the blackboard. This gives students an opportunity to work with real-life discourse instead of textbook exercises, and since the errors are often funny, they enjoy it, although sometimes they don't understand the context."

"We wondered why we'd been getting those black looks from students."

A notice from the personnel-services division at the Medical College of Georgia promises that people who complete a program called "Effective Writing for Secretaries" will be able to "analyze the purpose and audience of any type of business communication" and "revise the phrasing of any business communication to assure maximum readability."

Uh-huh.

—C.G.

In Brief

U. of Mass. Professionals Vote to Join Union

BOSTON—By a margin of more than two to one, professional employees on the three campuses of the University of Massachusetts have voted to join Local 509 of the Service Employees International Union. Three previous attempts by other collective-bargaining agents to organize the employees—about 1,200 non-faculty professionals at the university's Amherst, Boston, and Worcester campuses—had failed.

In the election, 686 employees voted for representation by the S.E.I.U., and 83 voted for an independent, in-house group. An additional 200 opposed any union representation.

The state's budget crunch was "certainly" a factor in the vote for unionization, said Lois V. Balfour, campaign coordinator for Local 509. The Massachusetts higher-education system is facing \$25-million in budget cuts this year. (See story on Page 1.)

The professional workers were the last group at the university without collective-bargaining representation.

U. of Wisconsin Student Dies in Fall From Dorm

MADISON, WIS.—Police at the University of Wisconsin at Madison last week were investigating the death of an 18-year-old student who fell from his seventh-floor dormitory room.

Joseph Sicherman, a freshman, died in the incident at Sellery Hall.

The police plan to take their findings to the District Attorney's office after their investigation is completed this week, said Lieut. Gary Moore, investigating officer. He would not comment further about details of the case, except that another student might have been indirectly involved.

Football Festivities Turn to Riots in Michigan

EAST LANSING, MICH.

Football festivities turned into off-campus riots at two Michigan universities, prompting campus officials to step up security and call on students to limit their drinking.

In a half-page advertisement in the Michigan State University student newspaper, President John DiBiaggio warned that further incidents would contribute to the university's reputation as a "party school," which he said was unfounded.

After Michigan State lost to the University of Michigan, a crowd of about 3,000 rioted near an off-campus apartment complex in East Lansing. East Lansing Police Captain Richard Murray said 20 minor injuries

and \$10,000 worth of damage had occurred near the complex, where revelers tossed sofas, refrigerators, and other furniture into two bonfires.

Captain Murray said no arrests had been made because the police were outnumbered. "Any time the police got near, they got pelted with rocks and bottles," he said.

Brawls and 10 Arrests

Two students and eight others were arrested last week when homecoming-game parties at Western Michigan University led to vandalism, brawls, and fires.

Damage estimates in the off-campus residential area were as high as \$14,000, a university

official said. Western Michigan's president, Dieter Haenicke, offered a \$1,000 reward for information leading to the arrest and conviction of anyone responsible for the damage.

Threatened with a search warrant, editors of Western Michigan's student newspaper turned over photographs of the *mélée* to university administrators, who in turn gave them to the Kalamazoo police. The paper's editor in chief, Kyle Rickard, said it had an "ethical responsibility" to help apprehend those who instigated the violence, which he said was not typical of the campus. He predicted that the photographs would lead to further arrests. —SCOTT HELLER

Alcohol was probably not involved, Lieutenant Moore said, but he would not comment on whether drugs might have been.

An autopsy report is expected to be completed in two to three weeks.

Film That Caused Furor Shown at Oklahoma State

STILLWATER, OKLA.—Oklahoma State University's Board of

Regents approved the showing last week of the controversial movie *The Last Temptation of Christ*, prompting the board's chief executive officer to resign.

In a 6-to-2 vote with one abstention, the board rescinded an earlier decision to prevent the campus showing of the movie, which has been criticized for blaspheming Jesus.

H. Jerrell Chesney, chief executive officer for 15 years, said he had resigned "to make a strong personal statement of repudiation to the film." Mr. Chesney, a member of the Church of Jesus Christ of Latter-day Saints, called the movie "offensive."

However, Mr. Chesney supported the board's decision based on its "objective examination" of ethical and legal issues concerning the film. The movie was

shown as originally scheduled last week.

The regents will request that a lawsuit charging First Amendment violations, brought against them earlier this month by students, faculty members, and a campus minister, be declared moot.

New Archives Building to Rise at U. of Maryland

COLLEGE PARK, MD.—The Archivist of the United States helped break ground last week for a new repository at the University of Maryland that will house more than half of the collection of the National Archives and Records Administration.

The \$205-million building will bring together more than 500,000 cubic feet of records now stored in seven locations outside the National Archives in Washington. Photographs, film, and oversized documents are among items to be housed in the six-story building when it opens in 1993.

The main Archives will continue to house 800,000 cubic feet of other documents, from papers related to genealogy and American Indians to Congressional and court records—as well as the Declaration of Independence and the U.S. Constitution.

The new building is expected to serve more than 50,000 scholars a year, including University of Maryland students and professors who will have special access to the space and its equipment.

Pa. Fraternity Punished for Jewish-Theme Party

UNIVERSITY PARK, PA.—A fraternity at Pennsylvania State University was placed on "social probation" after holding a Rosh Hashanah theme party that many thought was anti-Semitic.

The party was thrown by Phi Gamma Delta on the first night of the Jewish New Year. Members of the fraternity decorated the

2-Year Colleges Urged to Set Strategy for Inner-City Problems

WASHINGTON

Urban community colleges must develop a "national strategy" to address the problems of the inner city, says a new report released here by the American Association of Community and Junior Colleges.

The report, "Who Cares About the Inner City? The Community College Response to Urban America," says the colleges have become "anchor points" in their communities for non-traditional students, community-service programs, and community-based organizations and activities.

As a result, it says, the colleges now serve a clientele—including the homeless, dropouts, immigrants, latch-key children, and the unemployed—that embodies all the problems of the inner city.

"We Are Not Winning"

Because there is "no national consensus" about how to handle these problems, the report says, each community college deals with them in its own fashion.

Some programs are successful, says the report, but others are not.

"We are not winning the battle in the inner city," Ronald J. Temple, president of Wayne County Community College said at a news conference called to release the report.

"In my view, things are deteriorating. In Michigan, for example, a black man has a greater chance of going to jail today than to college."

Mr. Temple, chairman of the association's Commission on Urban Community Colleges, which sponsored the report, added: "We need a comprehensive approach to address the conditions of the inner city. We are trying to address them individually, but we need a national strategy."

The report is based on a study undertaken last year by the community-college association to call attention to efforts by urban institutions to confront economic and social issues. The study included colleges whose presidents are

members of the urban commission.

To conduct the study, Maurice D. Weidenthal, retired vice-president of public affairs at Cuyahoga Community College and author of the report, visited campuses in 10 of the country's largest cities.

The report includes examples of successful partnerships between the urban colleges and the communities, business and industry, and schools and universities.

To address inner-city issues, the report recommends that national policymakers pass an urban extension act that would enable federal and city governments and the community colleges to form partnerships to work on urban problems.

The 28-page report is available from A.A.C.J.C. Publications, 80 South Early Street, Alexandria, Va. 22304; (703) 823-6966. The price is \$9.25 for association members and \$11.25 for others, plus \$3.50 for postage.

—BEVERLY T. WATKINS

FACT FILE: State Appropriations for Higher Education, 1989-90

The following figures were compiled by Edward R. Hines and Gwen B. Pruyne of Illinois State University. The table omits footnotes qualifying some of the figures. The full report will be available in February from the National Association of State Universities and Land-Grant Colleges, One Dupont Circle, Washington 20036. The report is free of charge to association members and \$3.50 for others.

	1989-90 appropriations (in thousands)	2-year change
ALABAMA		
U of Alabama	\$ 270,444	+15%
Auburn U System	146,647	+18%
U of South Alabama	55,558	+15%
Troy State U System	21,514	+15%
Jacksonville State U	21,570	+12%
Alabama A&M U	20,311	+14%
Alabama State U	19,343	+12%
U of North Alabama	15,862	+10%
U of Montevallo	11,393	+10%
Livingston U	6,816	+10%
Athens State C	4,006	+18%
Community colleges	89,858	+22%
Voc-tech schools	66,204	+4%
Aid to private colleges	6,063	+6%
Student aid	4,459	+4%
Other	16,593	n/c
Total	\$ 776,641	+10%
ALASKA		
U of Alaska		
Fairbanks	\$ 79,444	+8%
Anchorage	46,494	+11%
Southeast	10,900	+17%
Vocational-technical ed	9,234	+6%
Student aid	10,000	+36%
Other	19,951	n/c
Total	\$ 176,023	+6%
ARIZONA		
U of Arizona	\$ 232,478	+10%
Arizona St U	190,232	+20%
Northern Arizona U	63,139	+14%
Community colleges	78,549	+15%
Other	5,584	n/c
Total	\$ 569,982	+14%
ARKANSAS		
U of Arkansas System	\$ 184,023	+7%
Arkansas St U	29,529	+4%
U of Central Arkansas	21,219	+1%
Southern Arkansas U	12,694	+5%
Arkansas Tech U	11,742	+7%
Henderson St U	9,402	+4%
Community colleges	22,618	+6%
Student aid	6,605	+3%
Other	3,368	n/c
Total	\$ 301,200	+6%
CALIFORNIA		
U of California System	\$2,102,816	+10%
California St U	1,987,492	n/c
Community colleges	1,480,033	+13%
California Maritime Academy	6,642	+6%
Student aid	160,370	+28%
Other	3,384	n/c
Total	\$5,740,737	+13%

	1989-90 appropriations (in thousands)	2-year change
COLORADO		
U of Colorado System	\$183,733	+15%
St Board of Agriculture (for Colorado St U, U of Southern Colorado, and Ft Lewis C)	100,213	+15%
U of Northern Colorado	28,617	+14%
Colorado Sch of Mines	10,672	+4%
State colleges (Mesa, Metropolitan, Western, and Adams St)	48,297	+14%
Community colleges	70,937	+18%
Vocational education	26,911	+10%
Student aid	28,586	+22%
Other	6,791	n/c
Total	\$ 504,757	+14%
CONNECTICUT		
U of Connecticut	\$ 193,662	+7%
St U System		
Southern Connecticut	30,607	+11%
Central Connecticut	31,314	+12%
Western Connecticut	15,755	+39%
Eastern Connecticut	13,283	+4%
Central office	2,912	+26%
Central Naugatuck Valley Region Higher Ed Ctr	3,376	+17%
Regional community colleges	61,860	+15%
State technical colleges	17,996	+1%
Other	93,031	n/c
Total	\$ 463,796	+12%
DELAWARE		
U of Delaware	\$ 67,515	+11%
Delaware St C	17,461	+17%
Tech & community colleges	26,756	+20%
Other	3,809	n/c
Total	\$ 115,541	+14%
FLORIDA		
U of Florida	\$ 361,244	+15%
U of South Florida	172,197	+15%
Florida St U	138,602	+15%
Florida International U	72,788	+15%
U of Central Florida	65,419	+21%
Florida Atlantic U	52,199	+12%
Florida A&M U	43,240	+13%
U of West Florida	31,875	+17%
U of North Florida	26,444	+21%
Student aid	39,793	+57%
Aid to private colleges	38,344	+11%
Community colleges	494,028	+17%
Other	31,538	n/c
Total	\$1,567,711	+15%
GEORGIA		
U of Georgia	\$ 258,618	+15%
Medical C of Georgia	100,683	+5%
Georgia St U	90,095	+12%
Georgia Inst of Technology	95,142	+22%
Georgia Southern C	31,126	+39%
Valdosta St C	19,961	+24%
West Georgia C	19,447	+14%
Kennesaw C	18,635	+30%
Columbus C	14,123	+9%
Southern C of Technology	13,152	+13%
Georgia C	13,398	+28%
Fort Valley St C	11,649	+9%

	1989-90 appropriations (in thousands)	2-year change
GEORGIA—Continued		
Savannah St C	\$ 10,889	+7%
Albany St C	10,895	+8%
Augusta C	11,347	+19%
Armstrong St C	9,484	+12%
Georgia Southwestern C	8,657	+7%
Clayton St C	7,863	+23%
North Georgia C	7,867	+17%
Community colleges	73,967	+24%
Student aid	1,640	+9%
Other	51,031	n/c
Total	\$ 884,669	+16%
HAWAII		
U of Hawaii System	\$ 277,439	+21%
Other	37,017	n/c
Less tuition and other revenue	22,000	+6%
Total	\$ 292,456	+20%
IDAHO		
U of Idaho	\$ 61,747	+11%
Boise St U	33,447	+16%
Idaho St U	28,841	+13%
Lewis-Clark St C	5,327	+15%
Community colleges	6,988	+14%
Vocational education	16,875	+14%
Student aid	1,396	+286%
Other	3,526	n/c
Total	\$ 158,247	+14%
ILLINOIS		
U of Illinois	\$ 585,965	+25%
Southern Illinois U	185,370	+17%
Northern Illinois U	90,185	+20%
Illinois St U	67,943	+24%
Western Illinois U	46,380	+17%
Eastern Illinois U	38,054	+28%
Northeastern Illinois U	32,902	+28%
Chicago St U	27,318	+28%
Governors St U	19,344	+27%
Sangamon St U	17,549	+21%
Community colleges	237,114	+23%
Student aid	200,269	+41%
Other	126,929	n/c
Total	\$1,675,322	+26%
INDIANA		
Indiana U	\$ 313,258	+15%
Purdue U	219,521	+15%
Indiana St U	90,669	+17%
Ball St U	60,216	+12%
U of Southern Indiana	11,999	+35%
Vincennes U	20,031	+21%
Indiana Voc-Tech C	50,730	+18%
Student aid	42,868	+22%
Other	4,729	n/c
Total	\$ 814,021	+18%
IOWA		
U of Iowa	\$ 169,277	+11%
Iowa St U	157,024	+12%
U of Northern Iowa	49,597	+12%
Community colleges	88,458	+17%
Student aid	36,886	+25%
Other	1,051	n/c
Total	\$ 502,293	+14%
KANSAS		
U of Kansas	\$ 167,292	+20%
Kansas St U	108,978	+23%

	1989-90 appropriations (in thousands)	2-year change
KANSAS—Continued		
Wichita St U	\$ 47,316	+21%
Pittsburg St U	21,458	+26%
Emporia St U	20,225	+22%
Fort Hays St U	20,525	+26%
Kansas Tech Inst	3,744	+15%
Washburn U of Topeka	5,949	+34%
Community colleges	40,778	+35%
Student aid	6,684	+35%
Other	1,839	n/c
Total	\$ 444,788	+23%
KENTUCKY		
U of Kentucky	\$ 236,013	+13%
U of Louisville	110,771	+10%
Eastern Kentucky U	44,495	+8%
Western Kentucky U	43,934	+9%
Murray St U	32,784	+7%
Morehead St U	26,808	+8%
Northern Kentucky U	22,572	+8%
Kentucky St U	14,627	+7%
Student aid	12,802	+45%
Other	5,376	n/c
Total	\$ 550,182	+11%
LOUISIANA		
Louisiana St U System	\$ 302,692	+8%
Southern U System	42,603	-2%
U of Southwestern La	35,996	+14%
Louisiana Tech U	24,476	+6%
Northeast Louisiana U	23,311	+5%
Grambling St U	16,303	+1%
Southeastern La U	16,683	+4%
McNeese St U	16,229	+3%
Nicholls St U	15,212	+6%
Northwestern St U of La	14,638	-1%
Delgado CC	10,769	-3%
Louisiana U Marine Consortium	1,405	-9%
Other	2,595	n/c
Total	\$ 522,912	+6%
MAINE		
U of Maine System	\$ 142,803	+26%
Maine Maritime Academy	6,557	+43%
Vocational education	24,043	+24%
Student aid	3,465	n/c
Total	\$ 176,868	+25%
MARYLAND		
U of Maryland		
College Park	\$ 224,453	+36%
Baltimore City	121,151	+32%
Baltimore County	46,337	+35%
Eastern Shore	14,978	+34%
U College	3,829	n/c
Towson St U	50,020	+41%
Frostburg St U	19,433	+25%
Salisbury St C	18,978	+45%
U of Baltimore	18,315	+44%
Bowie St C	14,401	+25%
Coppin St C	13,619	+32%
University C	3,829	n/c
Administration	63,201	n/c
Morgan St U	32,412	+34%
St Mary's C of Maryland	8,918	+31%
Community colleges	118,936	+20%
Aid to private colleges	24,150	+35%
Student aid	20,086	+81%

Continued on Following Page

How the States Rank

1989-90 appropriations (a)		2-year change			10-year change			1989-90 appropriations (a)		2-year change			10-year change				
Amount	Rank	not adjusted for inflation (b)	adjusted for inflation (c)	Rank	not adjusted for inflation (b)	adjusted for inflation (c)	Rank	Amount	Rank	not adjusted for inflation (b)	adjusted for inflation (c)	Rank	not adjusted for inflation (b)	adjusted for inflation (c)	Rank		
Alabama	\$ 776,641,000	19	+16%	+6%	20	+125%	+34%	15	Nebraska	\$ 290,491,000	35	+27%	+17%	3	+92%	+14%	32
Alaska	176,023,000	40	+6%	-2%	43	+84%	+9%	38	Nevada	146,636,000	42	+30%	+20%	2	+158%	+53%	3
Arizona	569,982,000	23	+14%	+5%	24	+145%	+45%	9	New Hampshire	74,393,000	49	+11%	+2%	38	+150%	+48%	6
Arkansas	301,200,000	33	+6%	-3%	45	+78%	+5%	44	New Jersey	1,142,805,000	10	+12%	+3%	36	+139%	+42%	11
California	5,740,737,000	1	+13%	+4%	31	+104%	+21%	26	New Mexico	296,412,000	34	+13%	+4%	35	+114%	+27%	20
Colorado	504,757,000	26	+14%	+5%	25	+104%	+21%	24	New York	3,185,045,000	2	+11%	+2%	41	+106%	+22%	22
Connecticut	463,796,000	28	+12%	+3%	37	+105%	+21%	23	North Carolina	1,458,516,000	6	+14%	+4%	30	+151%	+49%	7
Delaware	115,541,000	46	+14%	+5%	27	+117%	+29%	19	North Dakota	139,911,000	44	+21%	+11%	8	+126%	+34%	14
Florida	1,567,711,000	5	+15%	+5%	23	+141%	+43%	10	Ohio	1,427,041,000	7	+13%	+4%	34	+113%	+26%	21
Georgia	884,669,000	13	+16%	+7%	17	+130%	+36%	13	Oklahoma	453,089,000	29	+15%	+6%	22	+98%	+17%	30
Hawaii	292,456,000	36	+20%	+11%	9	+135%	+39%	12	Oregon	395,898,000	32	+13%	+4%	32	+73%	+2%	46
Idaho	158,247,000	41	+14%	+4%	29	+86%	+10%	36	Pennsylvania	1,361,361,000	9	+16%	+7%	19	+83%	+9%	40
Illinois	1,675,322,000	4	+26%	+16%	4	+80%	+7%	42	Rhode Island	144,522,000	43	+13%	+4%	33	+101%	+19%	27
Indiana	814,021,000	16	+16%	+6%	21	+104%	+21%	25	South Carolina	612,508,000	21	+18%	+8%	14	+91%	+13%	34
Iowa	502,293,000	27	+14%	+5%	28	+78%	+6%	43	South Dakota	85,995,000	48	+17%	+7%	16	+72%	-3%	48
Kansas	444,788,000	30	+23%	+13%	6	+86%	+10%	35	Tennessee	727,449,000	20	+14%	+5%	26	+117%	+28%	18
Kentucky	550,182,000	24	+11%	+2%	39	+83%	+9%	39	Texas	2,624,288,000	3	+18%	+8%	13	+99%	+18%	28
Louisiana	522,912,000	25	+6%	-3%	47	+58%	-6%	50	Utah	272,201,000	37	+6%	-3%	46	+96%	+16%	31
Maine	176,868,000	39	+25%	+15%	5	+208%	+83%	1	Vermont	59,936,000	50	+20%	+10%	12	+121%	+31%	17
Maryland	823,349,000	14	+34%	+23%	1	+154%	+51%	5	Virginia	1,107,480,000	11	+21%	+11%	7	+149%	+48%	8
Massachusetts	815,998,000	15	-9%	-16%	50	+159%	+54%	2	Washington	790,383,000	17	+17%	+8%	15	+155%	+51%	4
Michigan	1,408,008,000	8	+8%	-1%	42	+74%	+3%	45	West Virginia	251,505,000	38	+6%	-3%	44	+59%	-6%	49
Minnesota	946,779	12	+16%	+7%	18	+98%	+17%	29	Wisconsin	784,141,000	18	+11%	+2%	40	+67%	-1%	47
Mississippi	432,971,000	31	+20%	+10%	10	+85%	+10%	37	Wyoming	116,183,000	45	+4%	-4%	48	+125%	+33%	16
Missouri	603,535,000	22	+20%	+10%	11	+92%	+14%	33									
Montana	109,416,000	47	+4%	-4%	49	+81%	+7%	41									
								Total U. S.	\$39,326,391,000	+14%	+6%		+100%	+22%			

Note: Percentages shown are rounded. Rankings are based on unrounded figures.
(a) Reported by Edward R. Hines of Illinois State University as state tax funds appropriated for operating expenses for higher education, for student aid, and for governing and coordinating boards. Amount of appropriations may be changed in some states because of increases or decreases in revenue. Not included are appropriations for capital outlays and money from sources other than state taxes, such as student fees. Included are appropriations for annual

operating expense even if appropriated to some other state agency for ultimate allocation to universities.
(b) Increase in appropriations for 1989-90 over 1987-88, and over 1979-80 as reported by Edward R. Hines.
(c) Two-year increase in appropriations adjusted for inflation of 8.9 per cent, as indicated by the Labor Department's Consumer Price Index for August, 1989, and August, 1987. Ten-year increase in appropriations adjusted for inflation of 68.8 per cent, as indicated by the Consumer Price Index for August, 1989 and August, 1979.

FACT FILE—Continued: State Appropriations for Higher Education, 1989-90

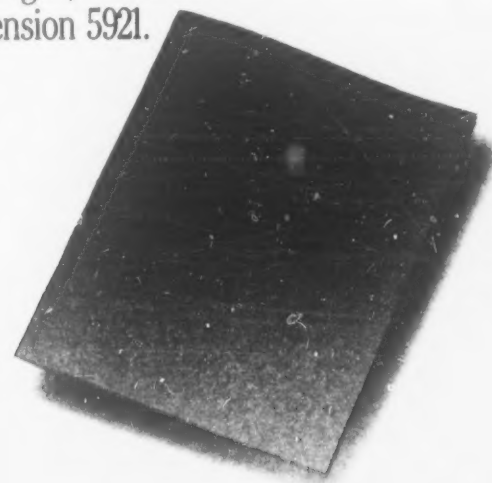
1989-90 appropriations (in thousands)			1989-90 appropriations (in thousands)			1989-90 appropriations (in thousands)			1989-90 appropriations (in thousands)			1989-90 appropriations (in thousands)															
2-year change			2-year change			2-year change			2-year change			2-year change															
MARYLAND—Continued						NEW HAMPSHIRE—Continued						OHIO—Continued						TENNESSEE—Continued									
Other			\$ 10,132	n/c			New Hampshire Tech inst			\$ 5,057	+ 6%			Case Western Reserve U							Area voc-tech schools			\$ 25,865	+ 7%		
Total			\$ 823,349	+ 34%			Voc-tech colleges			10,960	+ 6%			Medical and Dental Schs			\$ 5,641	- 6%			Community colleges			105,872	+ 13%		
MASSACHUSETTS																											
U of Massachusetts System			\$ 254,904	1%			Student aid			585	14%			Community colleges			102,075	+ 12%			Student aid			13,298	+ 11%		
U of Lowell			53,588	+ 2%			Other			2,432	n/c			Technical colleges			68,322	+ 16%			Other			38,203	n/c		
Southeastern Mass U			33,720	+ 8%			Total			\$ 74,393	+ 11%			University branches			52,820	+ 17%			Total			\$ 727,449	+ 14%		
Salem St C			21,884	+ 7%			NEW JERSEY																				
Bridgewater St C			20,764	+ 6%			Rutgers U System			\$ 258,797	+ 9%																
Fitchburg St C			17,445	+ 6%			U of Medicine & Dentistry																				
Worcester St C			13,962	+ 5%			of NJ			168,197	+ 12%																
Framingham St C			13,800	+ 5%			NJ Inst of Tech			42,629	+ 12%																
Westfield St C			13,979	+ 8%			Montclair St C			39,551	+ 12%																
North Adams St C			9,588	+ 5%			William Paterson C			33,321	+ 6%																
Massachusetts C of Art			9,202	+ 5%			Trenton St C			32,190	+ 9%																
Mass Maritime Academy			8,480	0%			Kean C of NJ			30,708	+ 8%																
Community colleges			144,765	+ 8%			Glassboro St C			29,778	+ 5%																
Student aid			80,160	- 5%			Jersey City St C			27,674	+ 7%																
Other			119,757	n/c			Stockton St C			17,431	+ 7%																
Total			\$ 815,998	- 9%			Ramapo C of New Jersey			16,594	+ 11%																
							Thomas A Edison St C			3,764	+ 34%																
MICHIGAN																											
U of Michigan			\$ 285,171	+ 8%			Student aid			98,746	+ 23%																
Michigan St U			253,633	+ 8%			Community colleges			92,011	- 1%																
Wayne St U			174,039	+ 8%			Aid to private colleges			23,805	+ 12%																
Western Michigan U			78,138	+ 8%			Other			227,609	n/c																
Eastern Michigan U			59,176	+ 8%			Total			\$1,142,805	+ 12%																
Central Michigan U			54,572	+ 14%			NEW MEXICO																				
Ferris St C			37,807	+ 8%			U of New Mexico			\$ 122,456	+ 13%																
Michigan Tech U			37,402	+ 8%			New Mexico St U			78,860	+ 13%																
Northern Michigan U			36,179	+ 8%			Eastern New Mexico U			22,595	+ 11%																
Oakland U			33,788	+ 8%			NM Inst of Mining & Tech			14,394	+ 6%																
Grand Valley St C			26,018	+ 13%			New Mexico Highlands U			10,546	+ 5%																
Saginaw Valley St U			15,414	+ 14%			Western New Mexico U			7,125	+ 5%																
Lake Superior St C			9,801	+ 8%			Community colleges			9,096	+ 36%																
Community colleges			212,490	+ 8%			Vocational-technical schools			20,446	+ 8%																
Student aid			93,347	+ 7%			Student aid			9,957	+ 31%																
Other			5,483	n/c			Other			937	n/c																
Less federal aid			4,450	n/c			Total			\$ 296,412	+ 13%																
Total			\$1,408,008	+ 8%			NEW YORK																				
MINNESOTA																											
U of Minnesota system			\$ 439,953	+ 13%			State U of New York																				
State universities			167,400	+ 28%			University centers			\$ 690,695	+ 23%																
Area voc-tech insts			166,652	+ 13%			Medical centers			303,081	+ 18%																
Community colleges			88,147	+ 34%			Colleges of arts and science			347,006	+ 15%																
Mayo Medical Sch			1,034	+ 22%			Statutory colleges			120,086	+ 14%																
Student aid			74,348	+ 5%			Specialized colleges			78,641	+ 21%																
Other			9,245	n/c			Ag and tech colleges			105,204	+ 13%																
Total			\$ 946,779	+ 18%			University-wide programs			115,174	n/c																
MISSISSIPPI																											
U of Mississippi			\$ 106,754	+ 19%			Fringe benefits			315,273	+ 13%																
Mississippi St U			93,023	+ 22%			Cornell land script			35	+ 3%																
U of Southern Mississippi			49,302	+ 19%			Less SUNY student fees			-496,995	+ 30%																
Jackson St U			19,584	+ 15%			SUNY total			1,578,200	+ 10%																
Delta St U			12,345	+ 30%			Cornell cooperative																				
Alcorn St U			9,015	+ 20%			extension			3,161	+ 12%																
Mississippi Valley St U			7,598	+ 40%			Community colleges			333,721	+ 13%																
Mississippi U for Women			7,166	+ 10%			City U of New York			637,844	+ 19%																
Vocational education			47,455	+ 12%			Student aid			429,048	+ 2%																
Community colleges			72,960	+ 28%			Aid to private colleges			180,936	+ 14%																
Student aid			2,184	+ 51%			Other			22,135	n/c																
Other			5,585	n/c			Total			\$3,185,045	+ 11%																
Total			\$ 432,971	+ 20%			NORTH CAROLINA																				
MISSOURI																											
U of Missouri System			\$ 310,457	+ 18%			U of North Carolina																				
Southwest Missouri St U			51,000	+ 24%			Chapel Hill			\$ 263,531	+ 12%																
Central Missouri St U			37,828	+ 27%			North Carolina St U			232,824	+ 11%																
Southeast Missouri St U			31,203	+ 16%			East Carolina U			119,065	+ 14%																
Northeast Missouri St U			26,821	+ 18%			Greensboro			54,583	+ 19%																
Northwest Missouri St U			18,592	+ 19%			Appalachian St U			52,174	+ 16%																
Western Missouri St C			12,679	+ 18%			Charlotte			55,154	+ 21%																
Southern Missouri St C			12,738	+ 19%			NC A&T St U			35,656	+ 14%																
Lincoln U			10,176	+ 15%			Western Carolina U			33,993	+ 11%																
Harris-Stowe C			4,876	+ 17%			Wilmington			31,353	+ 21%																
Community colleges			67,176	+ 19%			NC Central U			26,385	+ 4%																
Student aid			15,300	+ 63%			Fayetteville St U			16,569	+ 14%																
Other			4,689	n/c			Winston-Salem St U			15,988	+ 12%																
Total			\$ 603,535	+ 20%			Asheville			15,340	+ 20%																
MONTANA																											
U of Montana			\$ 28,163	+ 2%			Pembroke St U			15,223	+ 22%																
Montana St U			43,313	+ 4%			Elizabeth City St U			14,538	+ 28%																
Eastern Montana C			10,715	+ 6%			NC Sch of the Arts			8,106	+ 7%																
Northern Montana C			6,585	+ 5%			NC Memorial Hospital			34,660	+ 24%																
Western Montana C			3,655	+ 5%			Student aid			49,053	+ 22%																
C of Mineral Science & Tech			8,303	+ 9%			Other			19,492	n/c																
Community colleges			3,208	+ 5%			CC's and tech insts			364,829	+ 13%																
Student aid			4,595	+ 4%			Total			\$1,458,516	+ 14%																
Other			879	n/c			NORTH DAKOTA																				
Total			\$ 109,416	+ 4%																							
NEBRASKA																											
U of Nebraska			\$ 209,202	+ 26%			U. of North Dakota			\$ 51,136	+ 18%																
Kearney St C			16,997	+ 36%			North Dakota St U			50,381	+ 21%																
Wayne St C			7,950	+ 24%			ND St Sch of Science			9,625	+ 12%																
Chadron St C			7,436	+ 22%			Minot St C			9,384	+ 40%																
Peru St C			4,118	+ 33%			Dickinson St C			5,052	+ 21%																
Tech CC's			27,000	+ 21%			Valley City St C			4,134	+ 18%																
Other			17,788	n/c			Mayville St C			3,253	+ 15%																
Total			\$ 290,491	+ 27%			Bismarck St C			3,664	+ 38%																
NEVADA																											
U of Nevada System			\$ 100,248	+ 22%			Student aid			1,376	+ 100%																
Community colleges			28,286	+ 31%			Other			1,908	n/c																
Other			18,102	n/c			Total			\$ 139,911	+ 21%																
Total			\$ 146,636	+ 30%			OHIO																				
NEW HAMPSHIRE																											
U of New Hampshire			\$ 40,250	+ 15%			Ohio St U			\$ 312,437	+ 9%																
Plymouth St C			7,654	+ 13%			U of Cincinnati			140,041	+ 14%																
Keene St C			6,711	+ 8%			U of Akron			77,409	+ 15%																
Sch of Lifelong Learning			744	- 8%			Ohio U			74,025	+ 18%																
NEW HAMPSHIRE—Continued																											
Kent St U			67,865	+ 12%			Kent St U			67,865	+ 12%																
U of Toledo			63,481	+ 13%			U of Toledo			63,481	+ 13%																
Wright St U			59,518	+ 12%			Wright St U			59,518	+ 12%																
Bowling Green St U			59,977	+ 10%			Bowling Green St U			59,977	+ 10%																

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